

**FIG.** 1

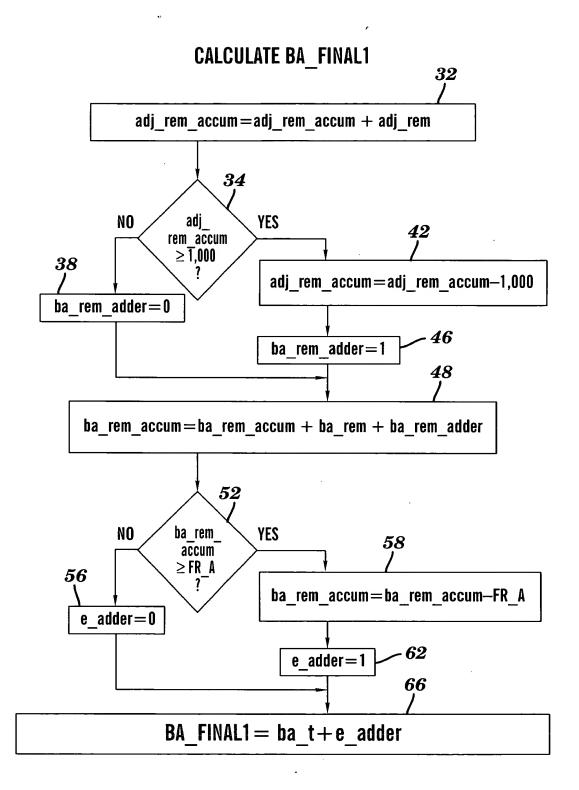
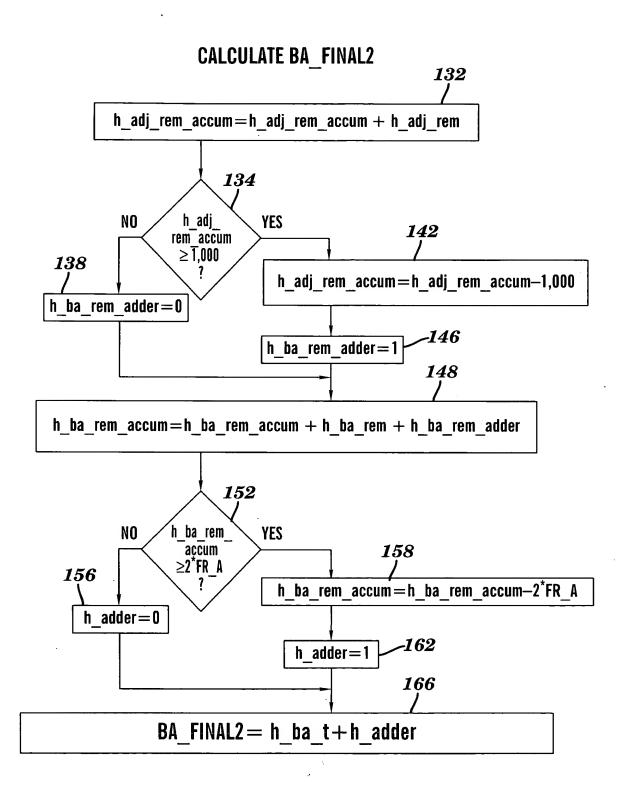


FIG. 2



**FIG.** 3

## EXAMPLE OF BA\_FINAL1 CALCULATIONS. ALL VALUES SHOWN ARE AT THE END OF THE ITERATION. ITERATION 0 REPRESENTS THE INITIALIZATION BLOCK 10 OF FIG. 1.

Iteration	adj_rem_accum	ba_rem_adder	ba_rem_accum	e_adder	BA_FINAL1
0	0	,	0		-
1	320	0	6	0	878
2	640	0	12	0	878
3	960	0	18	0	878
4	280	1	25	0	878
5	600	0	1	1	879
6	920	0	7	0	878
7	240	1	14	0	878
8	560	0	20	0	878
9	880	0	26	0	878
10	200	1	3	1	879
11	520	0	9	0	878

FIG. 4

## EXAMPLE OF BA\_FINAL2 CALCULATIONS. ALL VALUES SHOWN ARE AT THE END OF THE ITERATION. ITERATION O REPRESENTS THE INITIALIZATION BLOCK 10 OF FIG. 1. ONLY "YES" ITERATIONS ARE SHOWN.

Iteration	h_adj_rem_accum	n h_ba_rem_adder	h_ba_rem_accum	h_adder	BA_FINAL2
0	0		0		
3	320	0	6	0	439
4	640	0	12	0	439
6	960	0	18	0	439
9	280	1	25	0	439
10	600	0	31	0	439
11	920	0	37	0	439
15	240	1	44	0	439
18	560	0	50	0	439
19	880	0	56	.0	439
22	200	1	3	1	440
23	520	0	9	0	439

FIG. 5

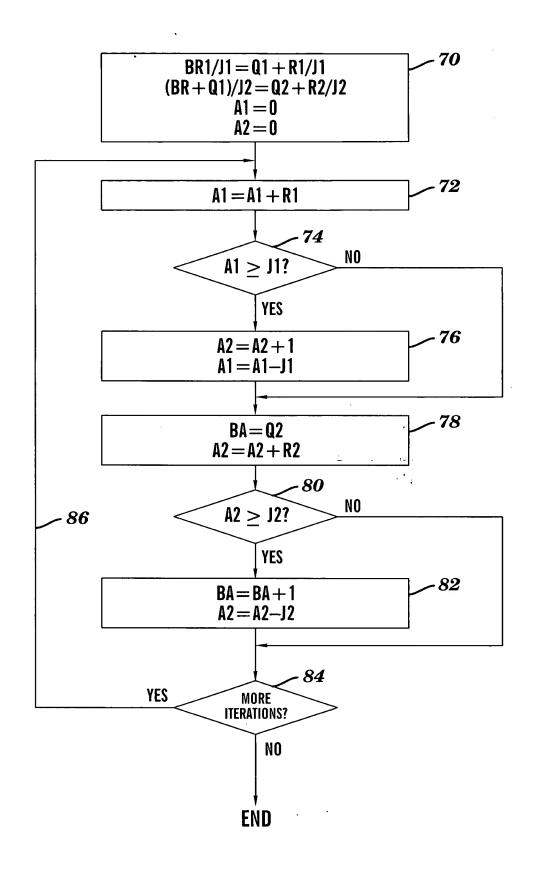
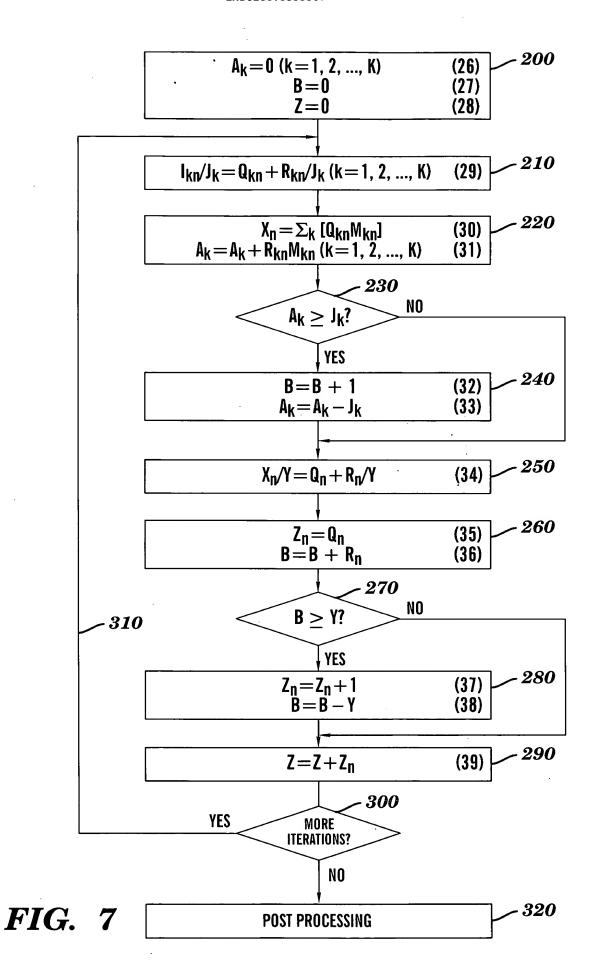


FIG. 6



EXAMPLE ILLUSTRATING THE ALGORITHM OF FIG. 7. NUMBERS FOLLOWED BY AN ASTERISK (\*) DENOTE THAT THE ACCUMULATOR  $\mathbf{a}_1$  or  $\mathbf{a}_2$  has reached or exceeded its maximum allowed value in the iteration, resulting in incrementing B by 1. Numbers followed by a double asterisk (\*\*) denote that the accumulator B has reached or exceeded its maximum allowed value in the iteration, resulting in incrementing  $\mathbf{z}_n$  by 1.

Iter (n)	Q <sub>1n</sub>	R <sub>1n</sub>	A <sub>1</sub>	Q <sub>2n</sub>	R <sub>2n</sub>	A <sub>2</sub>	Xn	Qn	R <sub>n</sub>	В	Z <sub>n</sub>	Z
0			0			0				0		0
1	5	1	3	10	2	2	25	4	1	1	4	4
2	5	1	6	10	2	0 *	25	4	1	3	4	8
3	5	1	9	10	2	2	25	4	1	4	4	12
4	5	1	2 *	10	2	0 *	25	4	1	1 **	5	17
5	5	1	5	10	2	2	25	4	1	2	4	21
Post Processing								21.50				

FIG. 8

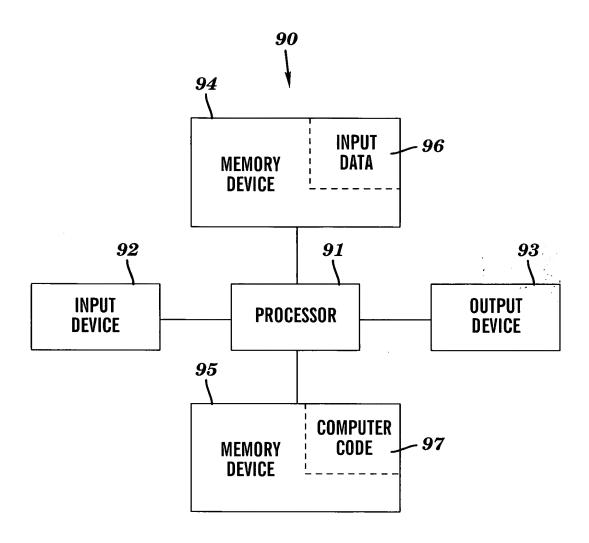


FIG. 9